DEPARTMENT OF THE INTERIOR, CANADA
Hon. Frank Oliver, Minister; W. W. Cory, Deputy Minister
FORESTRY BRANCH—BULLETIN No. 8.
R. H. Campbell, Superintendent of Forestry

FOREST PRODUCTS OF CANADA

1908

COMPILED BY

H. R. MACMILLAN, B.S.A., M.F.,

AND

G. A. GUTCHES, B.S., M.S.F.

OTTAWA
GOVERNMENT PRINTING BUREAU
1910

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CONTENTS

	Page.
Introduction	5
Production of lumber	5
Ontario	6
Quebec	6
British Columbia	7
New Brunswick	7
Nova Scotia	7
Saskatchewan	7
Manitoba	8
Alberta	8
Total lumber production	8
Production of lath and shingles	8
British Columbia	9
Quebec	9
Ontario	9
New Brunswick	9
Nova Scotia	10
Manitoba	10
Saskatchewan	10
Alberta	10
Total production of lath and shingles	10
Cross-ties purchased	11
Poles purchased	12
Pulpwood manufactured	15
Quebec	16
Ontario	16
New Brunswick	16
Nova Scotia	17
Total manufactured	17
Pulp and pulpwood exported	18
Total production	18
Summary	19

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FOREST PRODUCTS OF DOMINION OF CANADA, 1908

In order to satisfy the urgent demand for more frequent reports upon the important forest products of the Dominion, the Forestry Branch of the Department of the Interior, early in the year 1909, sent out blank schedules to the lumbermen and wood manufacturers for the purpose of collecting information from which to compile a report of the forest products for 1908. Although a large number of the manufacturers did not reply, sufficient information has been received to justify the publication of figures as to quantities of lumber, lath, shingles, cross-ties, poles and pulpwood cut, purchased or manufactured in 1908. These figures, however, must not be considered as complete in any way for they do not show the actual output in 1908, but only that reported to the Forestry Branch by the manufacturers who sent in reports. Further considerable difficulty has been experienced in obtaining a list of manufacturers, especially the smaller ones, and even yet the list is not complete, so the results are probably smaller than the actual output for 1908.

In the future, blank schedules will be sent to the manufacturers at the beginning of each year by the Forestry Branch. It is necessary that they be filled out *in detail* and returned at once to assure an early publication of results. All schedules should be returned by May 1, each year, so that the Forestry Branch may be able to have the results published for free distribution by July 1.

The accuracy and usefulness of the results will depend upon the accuracy and fulness of the information received. If the manufacturers, large and small, will give their hearty co-operation in this matter, the Forestry Branch in return will be able to furnish information which will be useful to them and the public in general concerning the forest wealth of the country.

PRODUCTION OF LUMBER IN 1908.

The figures given in tables 1-9 (as well as all others in this circular) were secured entirely through correspondence and are based upon returns received from 1,409 lumbermen distributed throughout the Dominion as follows: Ontario, 591; Quebec, 277; New Brunswick, 180; British Columbia, 143; Nova Scotia, 112; Alberta, 40; Manitoba, 40, and Saskatchewan, 26. No replies were received from Prince Edward Island.

Tables 1-8 show the quantity and value of lumber for each province by species.

Table 9 gives the total cut and value for the Dominion by provinces. Ontario leads with a cut of 1,294,794 M board feet, while Alberta is lowest with a cut of 42,382 M board feet.

ONTARIO, 1908.

TABLE 1.

Kind.	M. Bd. Ft.	Average value per M.	Value.
		$ cts.	$
White pine	763,485	21 08	16,094,253
Hemlock	135,261	13 07	1,798,458
Red Pine	100,119	17 23	1,724,705
Spruce	62,884	14 49	911,663
Elm	24,893	18 07	449,834
Maple	23,702	18 07	428,345
Birch	19,497	17 15	334,324
Jack Pine	14,581	13 94	203,317
Cedar	12,498	13 95	174,267
Balsam	12,204	13 97	170,481
Basswood	10,082	19 45	196,065
Ash	7,174	19 86	142,451
Tamarack	5,952	14 67	87,352
Oak	4,619	31 24	144,312
Beech	3,969	15 12	60,005
Hickory	1,164	20 02	23,303
Poplar	1,039	13 71	14,523
Walnut	23	30 13	693
Mixed	91,628	15 72	1,440,726
Total	1,294,794	18 84	24,399,077

QUEBEC, 1908

TABLE 2.

Spruce	345,246	14 22	4,908,340
White Pine	144,692	20 69	2,993,422
Hemlock	55,604	12 75	708,978
Red Pine	31,859	16 09	512,445
Cedar	27,628	12 43	343,362
Balsam	23,222	12 57	291,897
Birch	13,123	20 09	263,709
Jack Pine	5,947	14 99	89,168
Basswood	4,696	18 88	88,576
Maple	4,345	14 20	61,716
Ash	3,781	17 12	65,734
Tamarack	3,287	15 23	50,061
Poplar	2,151	13 03	28,040
Elm	1,415	15 25	21,575
Oak	822	37 24	30,614
Beech	501	14 28	7,157
Butternut	15	20 00	300
Walnut	5	67 20	336
Mixed	21,796	17 12	373,178
Total	690,135	15 70	10,838,608

BRITISH COLUMBIA, 1908.

TABLE 3.

Kind.	M. Bd. Ft.	Average value per M.	Value.
		$ cts.	$
Douglas Fir	371,493	13 72	5,106,490
Western Cedar	80,303	17 22	1,382,492
Western Spruce	65,537	11 49	752,856
Yellow Pine	30,552	17 46	533,580
Western Larch	23,410	13 50	316,138
Western Hemlock	11,856	12 39	146,818
Western White Pine	7,630	13 35	101,884
Lodgepole (W. J. Pine)	2,050	12 00	24,600
Mixed	55,146	13 46	742,328
Total	647,977	14 05	9,107,186

NEW BRUNSWICK, 1908.

TABLE 4.

Spruce	243,259	13 22	3,216,462
White Pine	16,338	17 62	287,824
Balsam	12,270	11 06	135,680
Hemlock	9,146	10 83	99,019
Birch	6,498	12 83	83,355
Cedar	2,382	11 29	26,910
Maple	1,989	10 64	21,161
Red Pine	1,656	12 08	20,005
Tamarack	900	12 00	10,800
Mixed	13,962	12 90	180,186
Total	308,400	13 23	4,081,402

NOVA SCOTIA, 1908.

TABLE 5.

Spruce	134,898	13 76	1,856,870
Hemlock	47,229	9 98	471,093
White Pine	20,369	17 16	349,617
Birch	6,677	13 58	90,685
Red Pine	974	15 46	15,060
Balsam	792	11 82	9,362
Maple	648	15 70	10,176
Beech	613	10 98	6,730
Jack Pine	512	11 81	6,046
Oak	314	24 32	7,637
Ash	236	19 24	4,540
Poplar	216	10 83	2,340
Mixed	3,347	13 02	43,574
Total	216,825	13 25	2,873,730

SASKATCHEWAN, 1908.

TABLE 6.

Spruce	90,322	17 29	1,562,500
Jack Pine	620	17 00	10,540
Tamarack	199	17 40	3,480
Poplar	25	12 00	300
Total	91,166	17 29	1,576,820

TABLE 7. MANITOBA, 1908.

Kind.	M. Bd. Ft.	Average value per M.	Value.
		$ cts.	$
Spruce	52,387	15 38	805,830
Tamarack	1,980	15 27	30,230
Poplar	871	11 80	10,278
White Pine	530	20 00	10,600
Jack Pine	305	14 66	4,471
Red Pine	220	18 00	3,960
Birch	31	25 00	775
Cedar	23	15 00	345
Mixed	100	14 80	1,480
Total	56,447	15 38	867,969

TABLE 8. ALBERTA, 1908.

Spruce	33,454	14 18	474,295
Jack Pine	4,437	13 35	59,234
Poplar	2,070	11 66	24,245
Douglas Fir	352	14 69	19,860
Yellow Pine	40	16 00	640
Larch	24	18 86	455
Birch	7	20 00	140
Mixed	989	14 53	14,375
Total	41,382	13 99	593,244

TABLE 9. LUMBER PRODUCTION, 1908.

Ontario	1,294,794	18 84	24,399,077
Quebec	690,135	15 70	10,838,608
British Columbia	647,977	14 05	9,107,186
New Brunswick	308,400	13 23	4,081,402
Nova Scotia	216,875	13 25	2,873,730
Saskatchewan	91,166	17 29	1,576,820
Manitoba	56,447	15 38	867,969
Alberta	42,382	13 99	593,244
Total	3,348,176	16 27	54,338,036

The number of feet allotted to the different species in the above tables cannot absolutely be relied upon, because they were not always so separated in the reports received. The total quantities given are as reported. The large quantity given as mixed species can be eliminated if the lumbermen will distinguish them in their reports.

PRODUCTION OF LATH AND SHINGLES IN 1908.

Tables 10-17 give the number, average value per M., by species, produced in each province.

Table 18 gives the totals for each province, and shows for the Dominion a cut of 1,499,396 M shingles, valued at $3,101,996 and 671,562 M lath, valued at $1,487,125.

BRITISH COLUMBIA, 1908.

TABLE 10.

Kind.	Shingles.			Laths.		
	Number.	Average value per M.	Value.	Number.	Average value per M.	Value
	M.	$ cts.	$	M.	$ cts.	$
Western Cedar	701,625	1 91	1,345,302	11,703	2 07	24,264
Douglas Fir				40,907	2 13	87,040
Western Spruce				3,384	2 19	7,430
Western Pine				1,666	3 50	5,831
Mixed	23,027	1 99	46,004	29,202	2 86	83,690
Total	724,652	1 92	1,391,306	86,862	2 39	208,255

QUEBEC, 1908.

TABLE 11.

Cedar	399,527	2 10	836,835	18,696	1 96	36,766
Spruce	2,442	1 84	4,503	53,970	2 04	109,926
White Pine	2,271	1 87	4,249	13,516	2 25	30,373
Hemlock	250	2 02	505	4,042	1 74	7,025
Balsam				200	1 87	375
Poplar	50	1 90	95			
Mixed	1,900	1 89	3,600	2,490	1 85	4,611
Total	406,440	2 09	849,787	92,914	2 03	189,076

ONTARIO, 1908.

TABLE 12.

Cedar	172,226	2 03	350,313	13,721	2 22	30,463
White Pine	20,813	2 11	44,000	187,025	2 38	445,854
Hemlock	4,466	2 02	9,048	9,030	2 00	18,078
Spruce	1,388	1 81	2,519	14,528	2 56	36,547
Balsam	1,180	2 00	2,360	1,490	2 14	3,187
Jack Pine				8,720	1 80	16,697
Mixed	23,460	2 26	52,915	28,727	2 16	62,030
Total	223,533	2 59	461,155	263,241	2 33	612,856

NEW BRUNSWICK, 1908.

TABLE 13.

Cedar	107 733	2 98	322,040	7,580	1 90	14,355
Spruce	2,132	1 75	3,745	121,886	2 08	254,233
Balsam	48	1 66	80	3,725	2 13	7,950
Hemlock				300	2 00	600
White Pine				1,400	1 96	2,750
Mixed				4,100	1 51	6,200
Total	109,913	2 96	325,865	138,991	2 05	286,088

TABLE 14. NOVA SCOTIA, 1908

Kind.	Shingles.			Laths.		
	Number.	Average value per M.	Value.	Number.	Average value per M.	Value.
	M.	$ cts.	$	M.	$ cts	$
Cedar	16,000	2 81	45,000	422	2 01	849
Spruce	8,941	1 34	12,029	50,723	2 22	112,876
Hemlock	3,955	1 45	5,717	7,290	2 13	15,540
White Pine	2,378	1 69	4,016	2,643	1 66	4,378
Balsam	465	1 41	655	900	2 00	1,800
Poplar	100	1 50	150			
Mixed	1,302	1 38	1,803	660	2 19	1,450
Total	33,141	2 09	69,370	62,638	2 18	136,893

TABLE 15. MANITOBA, 1908.

Cedar	300	3 83	1,150	110	2 72	300
Spruce	200	2 25	450	7,260	1 23	9,900
Poplar	25	2 00	50			
Mixed	600	2 50	1,500			
Total	1,125	2 80	3,150	7,370	1 38	10,200

TABLE 16. SASKATCHEWAN, 1908.

Jack Pine	[illegible]					
Spruce	152	2 00	760			
Mixed	60	2 78	423	18,367	2 16	39,808
Total	592	3 00	180	110	3 32	365
		2 30	363	18,477	2 17	40,173

TABLE 17. ALBERTA, 1908.

Spruce				1,069	3 35	3,584

TABLE 18. PRODUCTION OF SHINGLE AND LATH, 1908.

British Columbia	724,652	1 92	1,391,306	86,862	2 39	208,255
Quebec	406,440	2 09	849,787	92,914	2 03	189,076
Ontario	223,533	2 59	461,155	263,241	2 33	612,856
New Brunswick	109,913	2 96	325,865	138,991	2 05	286,088
Nova Scotia	33,141	2 09	69,370	62,638	2 18	136,893
Manitoba	1,125	2 80	3,150	7,370	1 38	10,200
Saskatchewan	592	2 30	1,363	18,477	2 17	40,173
Alberta				1,069	3 35	3,584
Total	1,499,396	2 07	3,101,996	671,562	2 21	1,487,125

CROSS-TIES PURCHASED IN 1908.

Table 19 is based upon the reports of 47 steam railway companies having a total of 25,772 miles of track, and 32 electric railways with 818 miles of track. It shows the number and cost at point of purchase, by classes and by kinds of wood, of the ties purchased by steam and electric railways. The steam roads purchased 13,738,157 ties at a cost of $5,189,671, and the electric roads purchased 240,259 ties at a cost of $92,011, giving a total for the Dominion of 13,978,416 ties valued at $5,281,685.

CROSS-TIES PURCHASED, 1908.

TABLE 19.

KIND OF WOOD.	AGGREGATE.			STEAM RAILWAYS.								
				Total.			Sawed.			Hewed.		
	Number of cross-ties.	Cost.	Average cost per tie.	Number.	Cost.	Average per tie.	Number.	Cost.	Average per tie	Number.	Cost.	Average per tie.
		$	cts.		$	cts.		$	cts.		$	cts.
Total....	13,978,416	5,281,685	38	13,738,157	5,189,671	38	7,148,860	2,581,348	36	6,589,297	2,608,326	40
Cedar.....	5,452,665	2,030,139	37	5,298,746	1,970,562	37	2,763,115	1,009,020	37	2,535,631	961,542	38
Hemlock	2,194,319	810,031	37	2,159,587	798,249	37	1,550,385	590,319	38	609,202	207,900	34
Larch.....	2,178,942	768,566	35	2,136,647	750,948	35	665,102	231,791	36	1,471,545	516,157	35
Pine.....	1,391,700	469,013	34	1,390,978	468,742	34	1,069,964	366,585	34	321,014	102,157	32
Spruce.....	1,314,394	452,103	34	1,305,803	449,340	34	1,093,891	378,583	35	211,909	70,757	33
Mixed.....	1,446,396	751,833	52	1,446,396	751,833	52	6,400	2,020	32	1,439,996	749,813	52
ELECTRIC RAILWAYS.												
Totals.....				240,259	92,011	38	190,182	70,844	37	50,077	21,167	40
Cedar.....				153,919	59,577	39	144,289	55,388	38	9,630	4,189	43
Hemlock.....				34,732	11,782	34	34,580	11,722	34	152	60	39
Larch.....				42,295	17,618	42	2,000	700	35	40,295	16,918	42
Pine.....				722	271	38	722	271	38	.....	.....	.....
Spruce.....				8,591	2,763	32	8,591	2,763	32	.....	.....	.....

The number of ties given under each species is only approximately correct, as many companies did not separate the different kinds. This tends to equalize, more or less, the given value per tie. The pines are grouped together, and also, under the term 'cedar,' are grouped the western and eastern cedars.

POLES PURCHASED IN 1908.

The data given under this head are based upon the reports of 46 telephone and telegraph companies, 151 electric light, power and railway companies, and 19 steam railways owning their pole lines. They represent 66,544 miles of line, supported by 2,433,245 poles.

Table 20 gives the number, value and species of poles purchased in 1908 by five-foot classes.

Table 21 shows the species, number and value of poles purchased by the four principal classes of consumers. The electric roads are grouped with the electric light and power companies, because, in many cases, one company has control of both, and the reports were not separated.

POLES PURCHASED IN 1908 BY SPECIES AND LENGTH CLASSES.

TABLE 20.

Kind of Wood.	Length Classes.														
	20′—25′.			26′—30′.			31′—35′.			36′—40′.			40′— over.		
	Number	Value.	Average value per pole.	Number	Value.	Average value per pole.	Number	Value.	Average value per pole.	Number	Value.	Average value per pole.	Number	Value.	Average value per pole.
		$	$ cts.		$	$ cts.		$	$ cts.		$	$ cts.		$	$ cts.
Totals	141,884	162,402	1 14	24,103	49,714	2 06	11,030	36,461	3 30	4,709	19,107	4 06	4,081	16,865	4 13
Cedar	118,535	131,475	1 11	23,936	49,422	2 06	10,950	36,176	3 30	4,709	19,107	4 06	4,081	16,865	4 13
Larch	19,634	27,131	1 38	167	292	1 75	30	135	4 50						
Spruce	2,525	2,069	0 82				50	150	3 00						
Douglas fir	1,190	1,721	1 45												

TABLE 21.

POLES PURCHASED IN 1905

Kind of Wood.	Total.			Telephone and Telegraph Companies.			Steam Railways.			Street Railways, Electric Light and Power Companies.		
	Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.	Number.	Value at point of purchase.	Average value per pole.
		$	$ cts.		$	$ cts.		$	$ cts.		$	$ cts.
Totals...	185,807	284,549	1 53	122,931	167,047	1 36	45,032	65,277	1 45	17,844	52,225	2 92
Cedar	162,211	253,045	1 56	99,640	136,202	1 37	45,032	65,277	1 45	17,539	51,566	2 94
Larch	19,831	27,561	1 39	19,601	27,071	1 38				230	490	2 13
Spruce	2,575	2,219	0 86	2,500	2,050	0 82				75	169	2 25
Douglas fir	1,190	1,724	1 45	1,190	1,724	1 45						

The different species are not accurately classified in the above tables, as the reports did not separate them in many cases. The cedar poles include both eastern and western varieties, and the same is true of other species to a less extent.

PULPWOOD MANUFACTURED IN 1908.

The figures given in the following tables are based upon the reports of 45 mills distributed as follows: Quebec, 21; Ontario, 10; Nova Scotia, 7; New Brunswick, 7. Two mills are being constructed in British Columbia, but did not manufacture pulp in 1908.

Tables 22 to 25 show the kind of wood, amount, value and process of manufacture for each province in 1908.

Table 26 shows the amount of wood manufactured, its value and the amount of pulp obtained by the mechanical, sulphite and soda processes for the Dominion.

TABLE 22.

PULP MANUFACTURED IN 1908.

QUEBEC, 1908.

Kind of Wood.	Mechanical.			Sulphite.			Soda.		
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp	Cords.	Value.	Pulp.
		$	Tons.		$	Tons.		$	Tons.
Spruce	150,039	881,563	138,331	70,650	541,000	32 220			
Balsam	25,504	148,958	24,480	6,000	28,000	3,000			
Poplar	1,000	6,000	1,000						
Jack pine	2,750	11,000	2,419						
Total	179,293	1,047,521	166,230	76,650	419,000	35,220			

TABLE 23.

ONTARIO, 1908.

Spruce	75,694	529,884	62,420	50,427	384,032	25,769	3,877	19,912	1,803
Balsam	11,861	92,989	11,745	11,555	84,825	5,72	1,000	6,000	375
Poplar	300	2,100	285						
Total	87,855	624,973	74,450	61,982	468,857	31,496	4,877	25,912	2,178

TABLE 24.

NEW BRUNSWICK, 1908.

Spruce	20,602	89,864	20,200	32,530	171,580	15,615			
Balsam	676	3,480	651						
Poplar	250	1,000	245						
Total	21,528	94,344	21,096	32,530	171,580	15,615			

NOVA SCOTIA, 1908.

TABLE 25.

Kind of Wood.	Mechanical.			Sulphite.			Soda.		
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.
		$	Tons.		$	Tons.		$	Tons.
Spruce	16,812	73,741	15,619						
Balsam	1,225	5,663	1,150						
Poplar	25	62	25						
Totals	18,062	79,466	16,794						

PULP MANUFACTURED.

TABLE 26.

Province.				Mechanical.			Sulphite.		Soda.		
	Cords.	Value.	Pulp.	Cords.	Value.	Pulp.	Value.	Pulp.	Cords.	Value.	Pulp.
		$	Tons.		$	Tons.	$	Tons.		$	Tons.
Quebec	[illegible]	[illegible]	[illegible]	[illegible]	1,047,527	166,230	419,000	35,220			
Ontario	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74,450	468,857	[illegible]	4,877	25,912	2,178
New Brunswick	54,058	265,924	36,713	21,528	94,344	21,090	171,580	15,615			
Nova Scotia	18,062	79,466	16,794	18,062	79,466	[illegible]					
Totals	482,777	2,931,653	363,079	[illegible]	1,846,304	278,570	1,059,437	82,331	4,877	25,912	2,178

PULP AND PULPWOOD EXPORTED IN 1908.

The figures quoted herewith are taken from the Report of the Depart ent of Trade and Commerce for the fiscal year, April 1, 1908, to March 31, 1909.* During this period the total export of pulpwood was 794,896 cords, valued at $4,356,391; this was all exported to the United States. The total amount of manufactured pulp exported was 4,989,094 cwt., valued at $4,306,929. It was exported to the following countries: United Kingdom, 1,084,729 cwt.; United States, 3,064,879 cwt.; Argentine Republic, 3,928 cwt.; France, 83,590 cwt.; Belgium, 33,880 cwt.; China, 3,350 cwt; Cuba, 2,680 cwt.; Argentine Republic, 3,928 cwt.; France, 83,590 cwt.; Belgium, 33,880 cwt.; Japan, 12,604 cwt.; Mexico, 16,366 cwt., and other countries, 932 cwt.

In the preceding year 4,037,852 cwt. was exported, and all but 7,133 cwt. was sent to the United Kingdom and United States.

The returns of the manufacture of pulp are incomplete. The Forestry Branch has 70 mills upon its list, and only 45 reported. There were no returns received on the quantity of pulpwood cut in the rough or exported as such.

TOTAL PRODUCTION IN 1908.

Table 27 shows the total value of the output of raw material, as reported by the manufacturers, which has a value of $67,425,044.

TABLE 27. TOTAL PRODUCTION IN 1908.

Material.	Quantity.	Value.
		$
Lumber	3,348,176 M b. f.	54,338,036
Shingles	1,499,306 M.	3,101,996
Lath	671,4?2 M.	1,487,125
Cross-ties	13,978,416 pcs.	5,281,685
Poles	185,807 pcs.	284,549
*Pulpwood	482,777 cords.	2,931,653
Total		67,425,044

*Manufactured in Canada.

SUMMARY.

This is the first attempt of the Forestry Branch to gather detailed statistics of the forest products of the Dominion by correspondence. The work was new both to the lumbermen and to those in charge, consequently the figures cannot be relied upon as absolutely correct for the forest output in 1908, but they are close approximations in most cases.

It is hoped that the manufacturers will take an interest in this work and do all in their power to make the future publications as reliable as possible.

*The Forestry Branch list of pulp and pulpwood exporters was very incomplete.